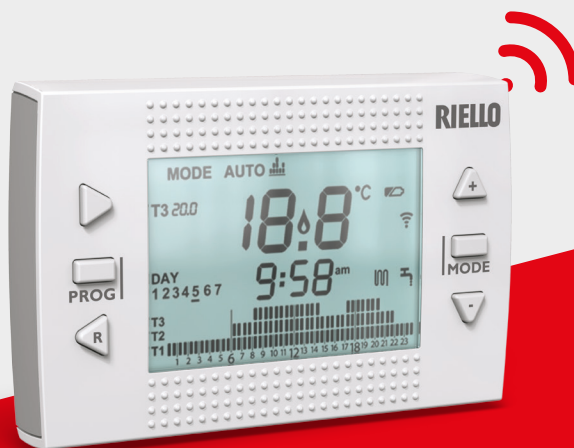




# RiCLOUD

SIMPLE, EFFICIENT, CONNECTED.

SMART  
REMOTE CONTROL.

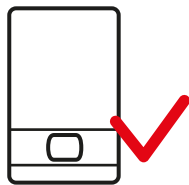
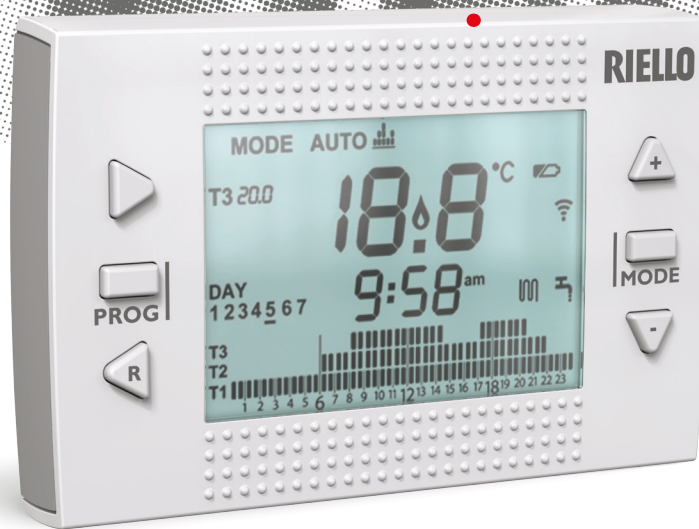


The comfort of home:  
Simple, anywhere and anyhow.

[www.riello.com](http://www.riello.com)

# RIELLO

# SIMPLE



RiCLOUD is Riello's easy and smart solution for your Comfort and Savings. Built with the latest technologies, RiCLOUD will surprise you with its user-friendliness and simple installation. The RiCLOUD App makes managing your home environment and checking your Riello boiler easy and intuitive as never before.

RiCLOUD is a Riello universal solution and substitute for any thermostat.

# RIELLO

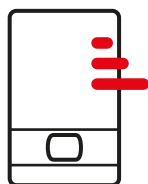
## HIGH YIELD



RiCLOUD produces up to 30% in savings on your annual heating bill, compared to a conventional thermostat, when connected via BUS with Riello boilers.



## EFFICIENT . . . . .



Combined with the latest-generation Riello boilers that come with Riello BUS protocol, 3 OFF RiCLOUD controls allow the system to achieve the A+ energy class (European Regulation 811/2013).

Additionally, the option of connecting up to eight RiCLOUD, each capable of controlling an individual room, makes it possible to optimize the heating system's energy consumption: RiCLOUD quickly pays for itself.

3

RiCLOUD

## CONNECTED

Off to the mountains for the weekend?  
On your way back from a business trip?  
From your smartphone or tablet, the RiCLOUD App lets you check and modify the programming of your heating system and the current functions of your boiler wherever you are.



**RIELLO**

## EASY FOR EVERYONE



With RiCLOUD, programming home comfort becomes easy and intuitive. Through the RiCLOUD App, all operations that are sometimes complex with a conventional timed thermostat, such as daily/weekly programming, become child's play thanks to the touchscreen technology.

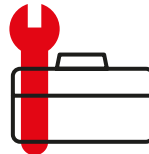


Installing RiCLOUD is quick and easy. When replacing an old thermostat, RiCLOUD does not require additional work on your home's electrical system. RiCLOUD also supports wireless installation as it can operate in radio-frequency: Just install RiCLOUD anywhere in your home and connect it to the boiler through a radio-frequency receiver (available as an option).

## QUICK INSTALLATION

RiCLOUD's modularity enables you to build different heating zones, with separate temperature and operating time settings. It is possible to manage up to eight different zones, each controlled by its own RiCLOUD.

## SMART SUPPORT



RiCLOUD is more than a WiFi timed thermostat, because it has been designed by Riello to become an actual remote boiler interface able to give an exceptional level of support for your peace of mind.

When linked to a Riello boiler, RiCLOUD enables you and your Authorized Technical Service operator to receive operation status and warning signs in real time, which, combined with the remote analysis of technical parameters, enable your Authorized Technical Service operator to resolve issues quickly and accurately. With RiCLOUD, there are no more surprises when you return home.



Monitoring portal for local service provider  
[serviceportal.riellogroup.com](http://serviceportal.riellogroup.com)

## REMOTE CONTROL



Remote control for boiler ignition, operation and programming\*.

\* Only for Riello boilers connected through BUS.

## ALWAYS CONNECTED



Through the RiCLOUD App, you will be able to manage your home's comfort level wherever you are, conveniently, easily and intuitively. From compatible tablets or smartphones, you will not only be able to check your heating system's status, but also to program ignition, shutdown, temperature and operating times of your boiler. Alerts on your smartphone/tablet will arrive in case of any system/boiler error. Discover these, and many other functions with the RiCLOUD App.



## UNIVERSAL

RiCLOUD is compatible with all past and present Riello heating products. As a timed thermostat, it can be

combined with all the products of the main heating/cooling manufacturers in on/off mode.



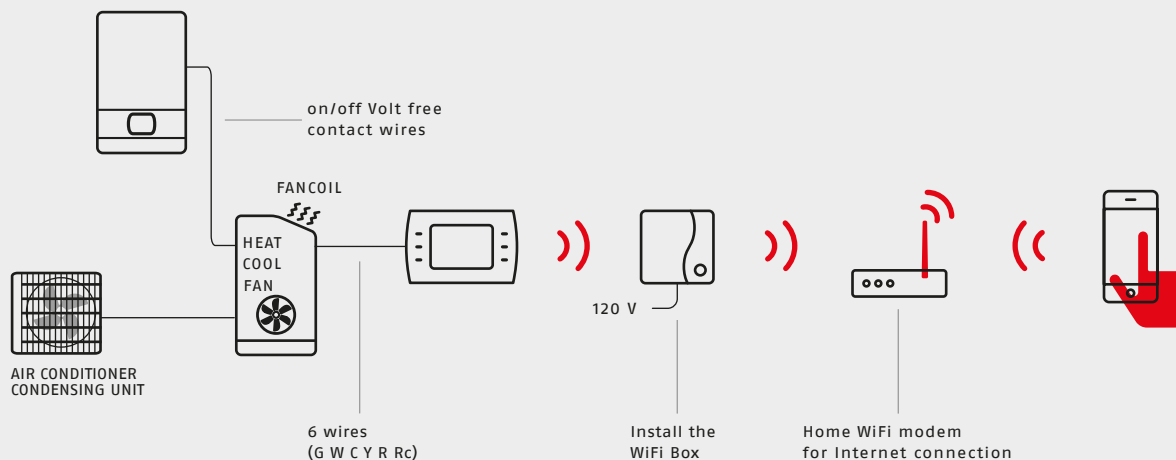
# ..... UNIVERSAL INSTALLATION

With RiCLOUD and its accessories, any application can be carried out to meet all installation requirements. On these pages we illustrate two basic connection diagrams for RiCLOUD, complete with the codes of any parts required for the installation.

## SINGLE WIFI REMOTE CONTROL WITH ON/OFF CONTROL\*

RiCLOUD is a universal solution. This RiCLOUD wiring diagram applies to all installed boilers that have an on/off control. You just need to use the existing wires to connect the device directly to the control terminals. By electrically powering RiCLOUD's WiFi Box

through an electric socket and linking it to your home WiFi router, all you need to do is download the RiCLOUD App from the App Store or Google Play and start "navigating" in the comfort of your home. It couldn't be easier, wherever you are.



NOTE: RiCLOUD does not need an electrical supply, because it is battery operated.

PRODUCT CODE	QUANTITY	DESCRIPTION
20142443	1	 RiCLOUD control with WiFi Box

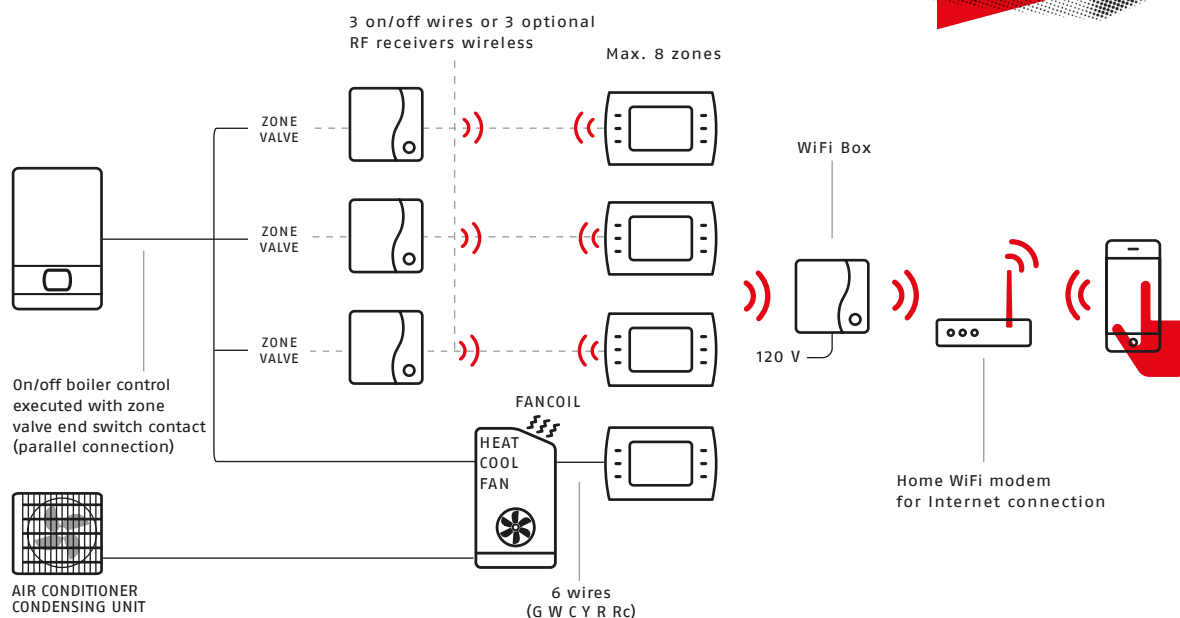
\* In on/off mode, it is compatible with the products of all the major heating equipment manufacturers.



# MULTI-ZONE APPLICATION

## WIFI REMOTE CONTROLS WITH ZONE-VALVE AND BOILER ON/OFF CONTROL

RiCLOUD is the simplest, most universal solution for multi-zone systems as well. RiCLOUD has an integrated relay outlet to directly control a zone valve. (max 2 A at 30 VAC – max 0.5 A at 125 VAC).



NOTE: Zone valve can be managed wireless using the optional RF receiver part no. 20142446 setting it in non-responding mode. RiCLOUD does not need an electricity supply, because it is battery operated.

### EXAMPLE OF A 3-ZONE CONFIGURATION & FANCOIL:

PRODUCT CODE	QUANTITY	DESCRIPTION
20142443	1	RiCLOUD control with WiFi Box
20142444	3	RiCLOUD control
20142446	3	RF receiver

NOTE: If there are eight zones, for instance, you will need seven pieces of part no. 20142444 (RiCLOUD control) as well as part no. 20142443 (RiCLOUD control with WiFi Box). WiFi Box kit only is also available, part no. 20142445

# ONGOING SUPPORT . . . . .

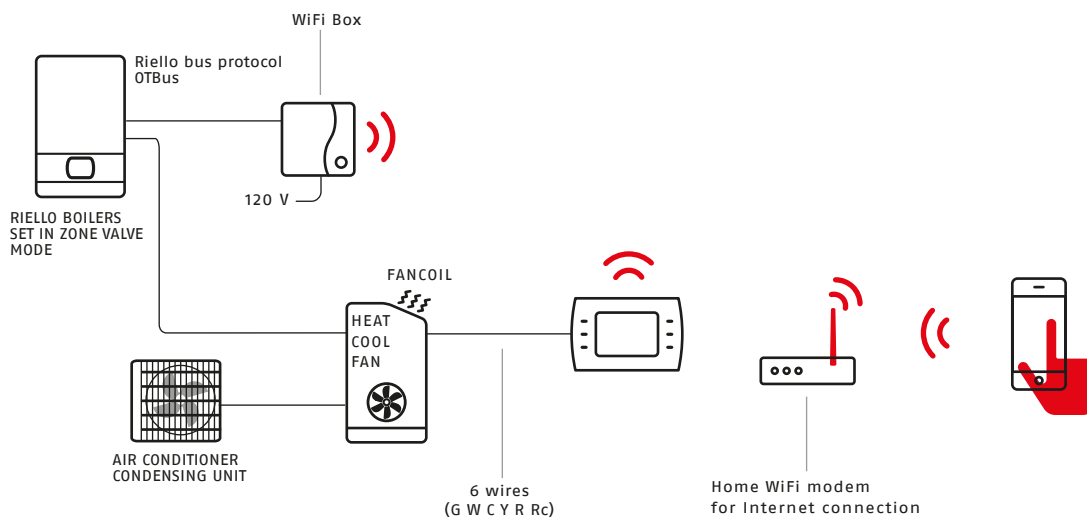
RiCLOUD, unlike other WiFi thermostats on the market, can exchange information directly with the intelligence of your Riello boiler. This exclusive function transforms the RiCLOUD functionality from that of a simple timed thermostat to that of the actual operator of your heating system.

RiCLOUD technology enables connecting on-line with a Riello Authorized Technical Service operator who can provide remote support for your boiler on an ongoing basis. On these pages we illustrate two basic connection diagrams for RiCLOUD, complete with the codes of the parts required for the type of installation described.

## SINGLE WIFI REMOTE CONTROL

### WITH BUS CONNECTION TO THE BOILER

Exclusively for Riello, the most advanced solution and services that only the BUS connection can guarantee. Ask your trusted installer, or check on the [www.riello.com](http://www.riello.com) website to see if your Riello boiler is compatible for BUS connection. Enter the world of Riello Remote Management: boiler status, alarms, functional parameters and so much more.



PRODUCT CODE	QUANTITY	DESCRIPTION
20142443	1	 RiCLOUD control with WiFi Box

**RIELLO**



# MULTI-ZONE

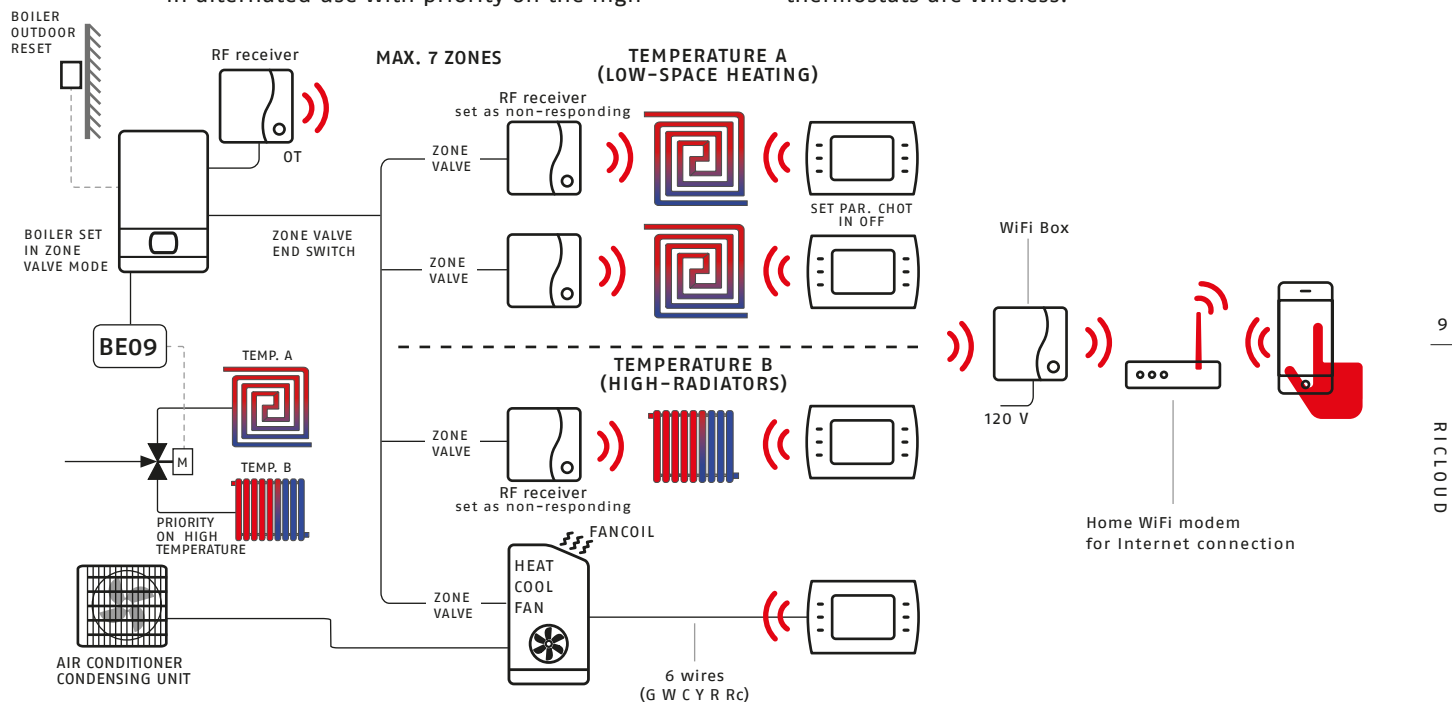
## WIFI REMOTE CONTROLS WITH ZONE VALVE CONTROL AND BUS CONNECTION TO THE BOILER

You can activate advanced services on multi-zone systems too if they are equipped with a Riello boiler. Riello boiler is compatible with BUS connection. Enter the world of Riello Remote Management: boiler status, alarms, functional parameters and so much more. Drawing example: two temperature levels (typically space heating and radiators/fan coil)

- in alternated use with priority on the high





temperature managed by boiler and WiFi box,

- managed on three zones, one cooling and one fan only.
- All the zones are visible and manageable separated in the RiCLOUD App – up to seven zones.
- The most efficient and comprehensive system solution. • Reduced wiring as all the room thermostats are wireless.



NOTE: Set parameter CHOT in OFF if RiCLOUD thermostats are used for SPACE HEATING. RiCLOUD does not need an electricity supply, because it is battery operated.





### EXAMPLE OF A 3-ZONE CONFIGURATION:

PRODUCT CODE	QUANTITY	DESCRIPTION
20142443	1	 RiCLOUD control with WiFi Box
20142444	3	 RiCLOUD control
20142446	4	 RF receiver
20062614	1	 BE09 Boiler interface to divert the system

NOTE: If there are eight zones, for instance, you will need seven pieces of part no. 20142444 (RiCLOUD control) as well as part no. 20142443 (RiCLOUD control with WiFi Box). WiFi Box kit only is also available, part no. 20142445.

## RICLOUD AND ITS ACCESSORIES

Thanks to RiCLOUD and its accessories, it is possible to meet any installation requirement. RiCLOUD will surprise you once again for how simple its system layout is.

20142443		<b>RICLOUD CONTROL WITH WIFI BOX</b> Full WiFi installation kit, containing the RiCLOUD Control and the WiFi Box. The box also includes batteries, connection wires, a transformer, screws, plugs, double-sided adhesive tape, magnetic stickers and the technical manual.
20142444		<b>RICLOUD CONTROL</b> RiCLOUD control for replacement or new installations, in both single zones or as extensions for multi-zone applications. RiCLOUD is compatible with an Internet connection in combination with the WiFi Box (supplied as an accessory). The box also includes batteries, screws, plugs, double-sided adhesive tape and the technical manual.
20142445		<b>WIFI BOX</b> WiFi Box is the device that enables Internet connection through the home WiFi network. It also supports the connection to the boiler's BUS for advanced remote management. The box also includes connection cables, a transformer, magnetic stickers.
20142446		<b>RF RECEIVER</b> RF device that supports the wireless connection of the RiCLOUD control to boiler (both on/off and via BUS). It can also be used when the WiFi box cannot be connected near the boiler or the zone valves because the WiFi signal is too weak.

## **COMPATIBILITY WITH TABLETS AND SMARTPHONES**

The RiCLOUD App was developed for smartphones and tablets that use iOS and Android ( $\geq$  vers. 3.0).

## **IT CAN BE CONNECTED TO A HOME ROUTER VIA WIFI**

RiCLOUD, combined with the WiFi Box, can easily connect to a home router so that the indoor temperature and the boiler can also be managed remotely.

## **WIRELESS INTERCONNECTION OF THE RICLOUD ACCESSORIES**

RiCLOUD connects wirelessly to the WiFi Box; this technical solution allows reliable coverage even when the distance between the devices is significant (up to 40 m).

## **REMOTE BOILER MANAGEMENT**

RiCLOUD does not just manage your home's temperature: Via a BUS connection, it also reproduces the on-board commands of the Riello boilers on your smartphone or tablet. It is possible to turn on or off the generator, control the temperatures, and much more all remotely.

## **SIMPLE, ADVANCED CONTROL**

RiCLOUD can be used as a simple thermostat with the desired temperature being set directly through the + e - keys. It is easy to use, even for the least technically-minded users. By changing the operating mode, RiCLOUD turns into a modern timed thermostat with a time resolution of 30 minutes and three temperature settings.

## **WEEKLY PROGRAMMING THROUGH THE APP**

The weekly ambient temperature programming section found on the RiCLOUD App facilitates management of the ambient temperature, which can be adapted to meet a user's specific needs, and delivering comfort as well as measurable financial savings by eliminating energy waste.

## **EIGHT AREAS OF INDEPENDENT TEMPERATURES**

The WiFi Box can manage eight zones independently, to ensure the desired temperature in each room.

## **SAVINGS UP TO 30%**

(When comparing a dwelling equipped with one on/off thermostat with a WiFi-controlled multi-zone solution).

A single thermostat that controls the house's heating system manages only the temperature of the area in which the thermostat is located. Switching to RiCLOUD enables weekly programming based on your specific needs and, therefore, facilitates a more rational use of heating fuel. But RiCLOUD can deliver more:

It supports independent programming of the temperature in several rooms at the same time (see example of multi-zone programming); also, if connected to the Riello boiler via BUS, it can be turned on and off remotely.

Have your needs changed? Do you want to modify the profile of the temperature in your home? Now you can do it wherever you are, easily and quickly. Energy savings are assured.

## **HEATING AND COOLING**

RiCLOUD can be programmed to manage both your home's heating and cooling.

## **OUTDOOR TEMPERATURE**

By connecting the RiCLOUD outdoor reset, the outdoor temperature can be measured and displayed. Alternatively, if connected to the network through a WiFi Box, by entering the installation location, it is possible to obtain the information in real time directly through the Internet.

## **BACK-LIT DISPLAY**

The large display is back-lit, to allow optimum reading even in dim light.

## **EASY INSTALLATION**

RiCLOUD comes with a wall-mounting base equipped with an air bubble level to ensure proper installation.

## **EXPANDABLE**

The RiCLOUD system is complemented by a series of accessories to cover any installation requirements.

## **FCC DECLARATION OF CONFORMITY**

RiCLOUD meets the requirement of the FCC (Federal Communications Commission).

## ABOUT RIELLO

Founded in 1922, Riello is a leading manufacturer of products and services for heating, air-conditioning and energy efficiency. Headquartered in Legnago (Verona), Italy, Riello operates in over 120 countries. Riello is a part of UTC Climate, Controls & Security, a unit of United Technologies Corp., a leading provider to the aerospace and building systems industries worldwide. For more information, visit [www.riello.com](http://www.riello.com)

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Professional Resources: [egproductsolutions.com](http://egproductsolutions.com)

The Company is constantly working to perfect all of its production processes, therefore the aesthetics and size, technical data, equipment and accessories of the products may be subject to change.

# RIELLO